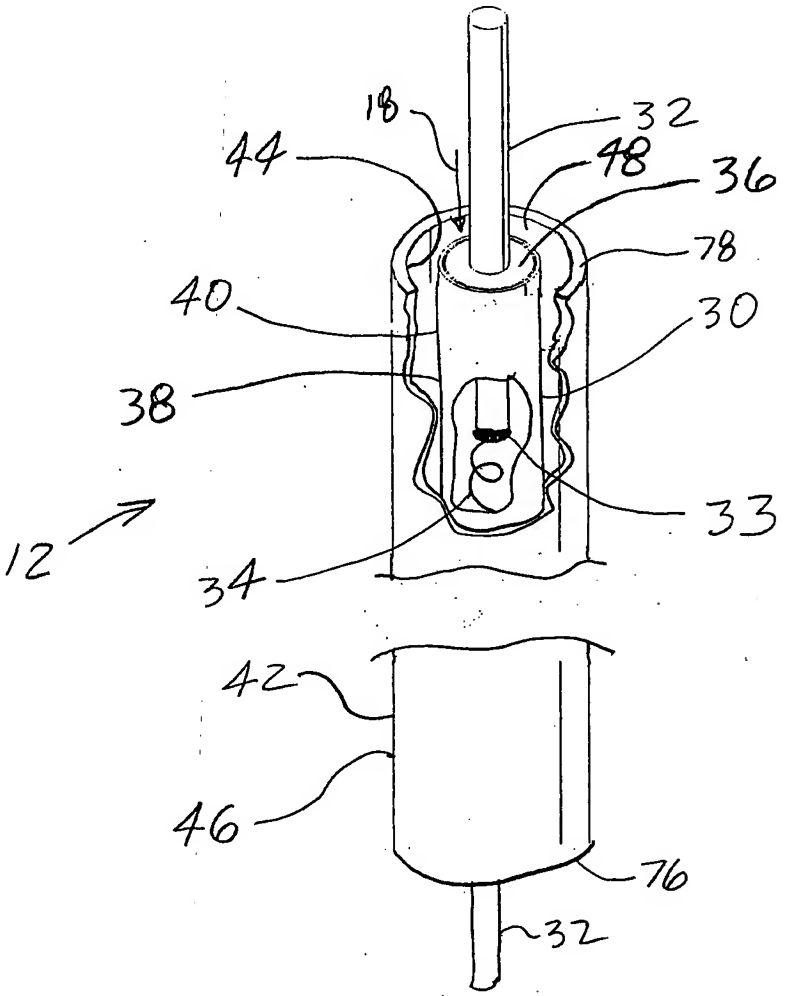

FIG. 1

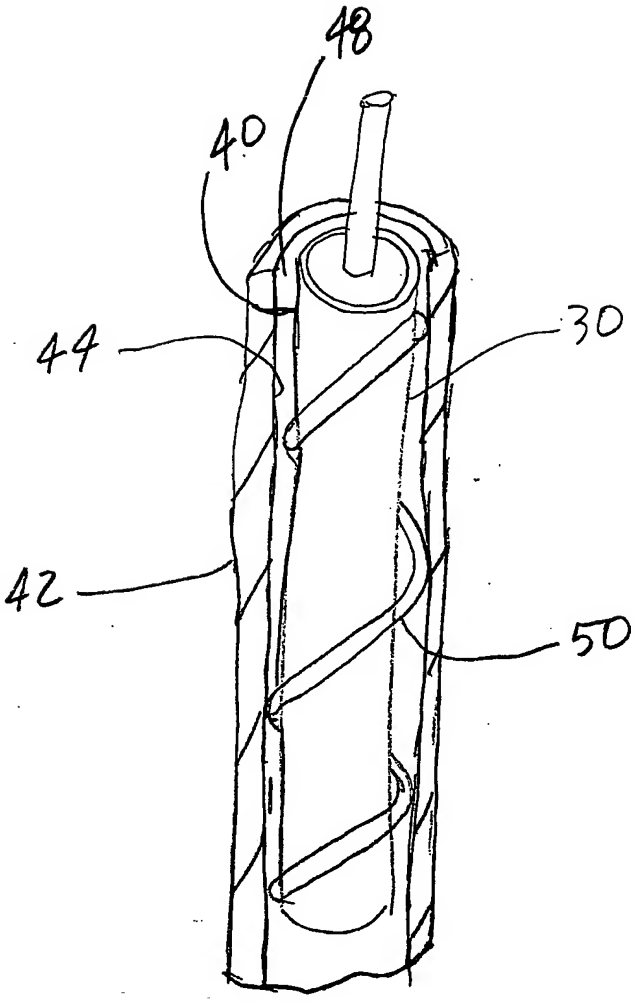

FIG. 2

D0559968 - 042202

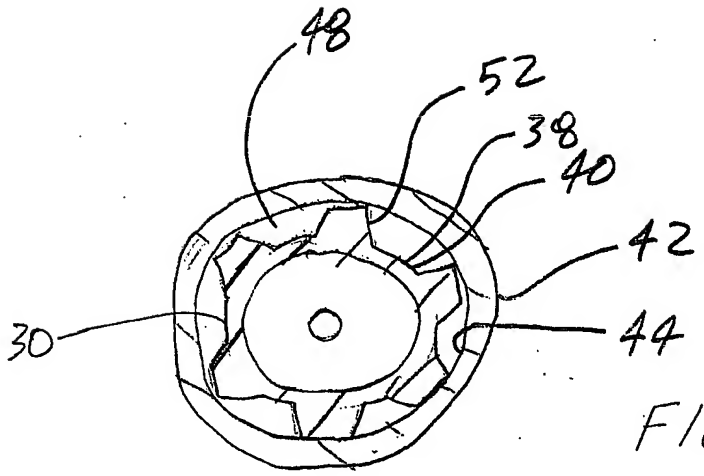

FIG 3A

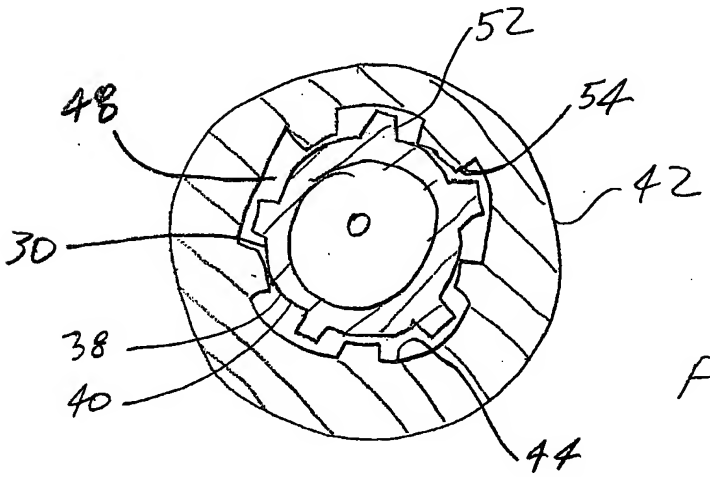

FIG 3B

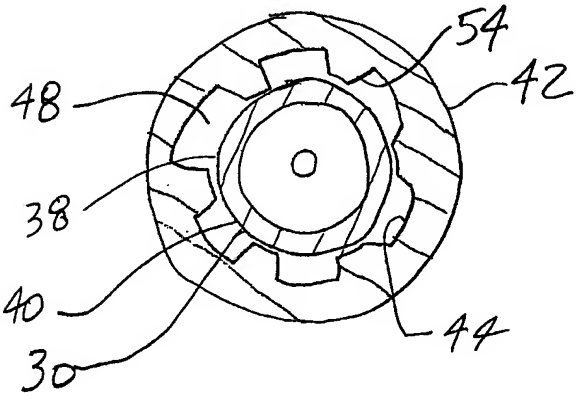

FIG 3C

EP0530968 - 04-03-93

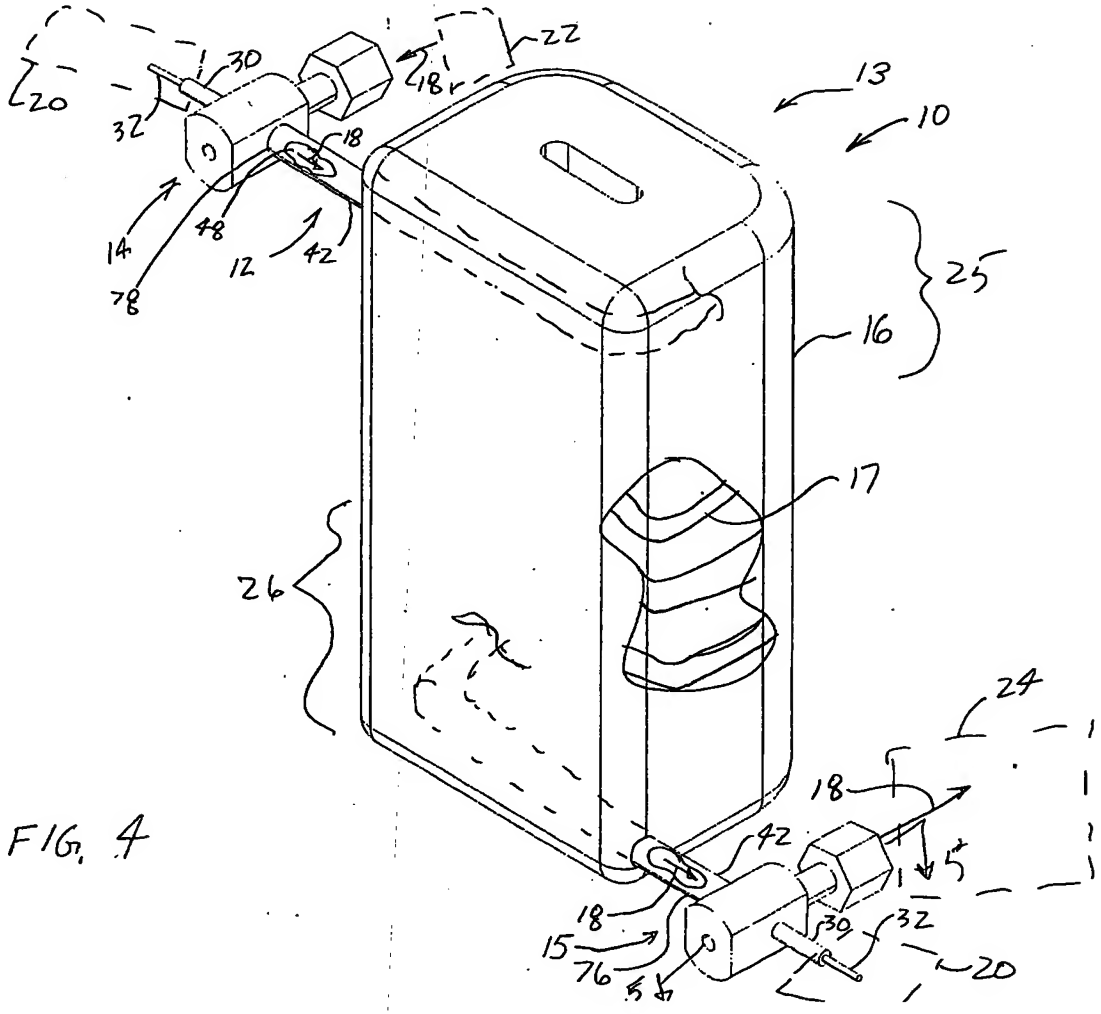
20
30
32
18
22
13
10
14
48
12
42
78
25
16
17
26
24
18
42
18
15
76
30
32
20

FIG. 4

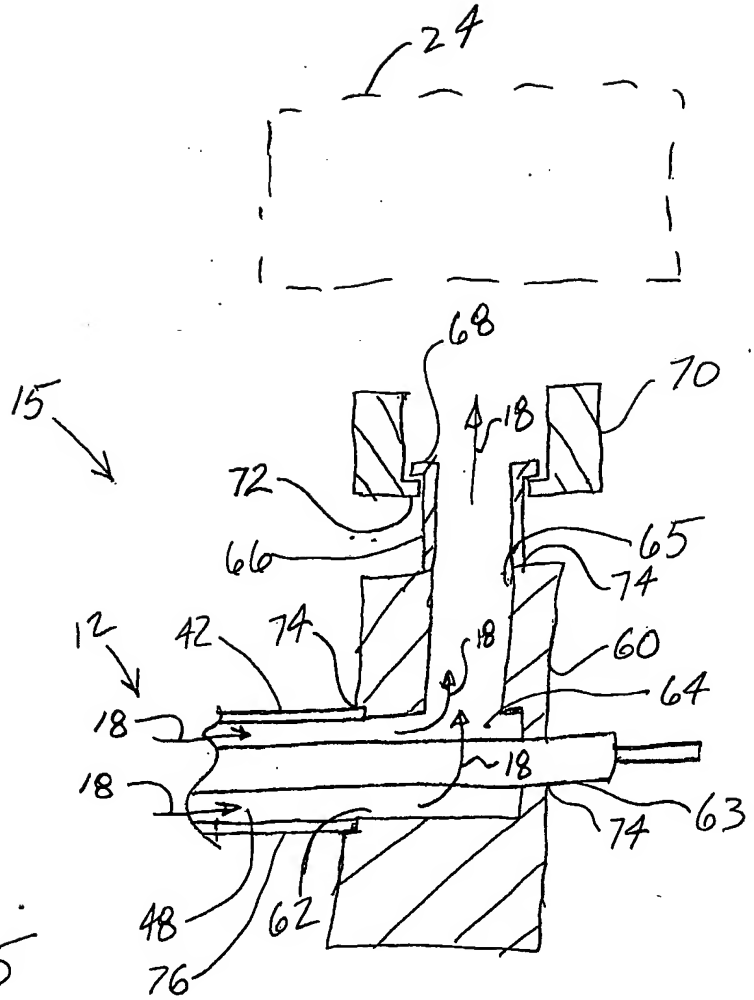

FIG. 5

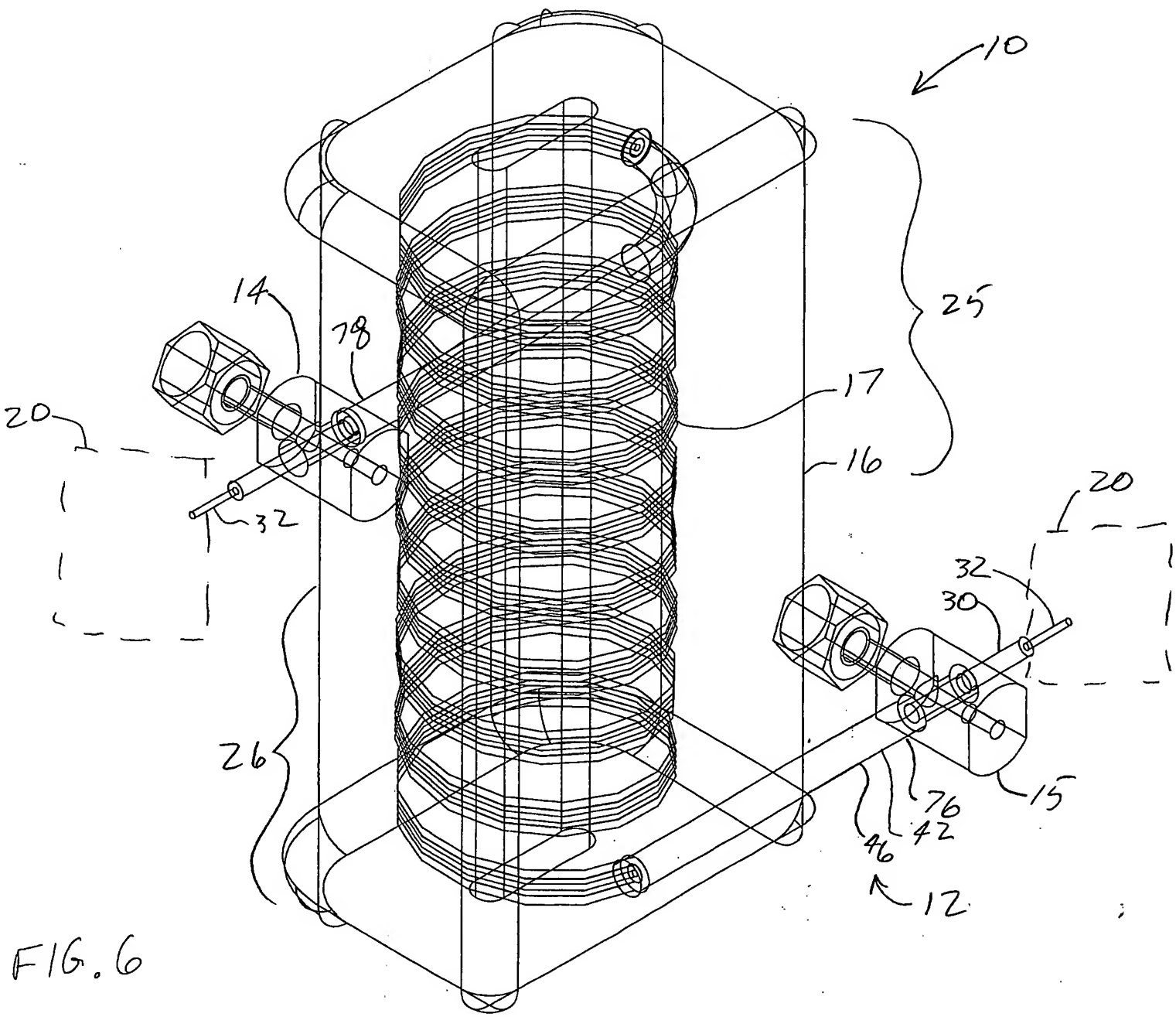

FIG. 6

4605960.02202

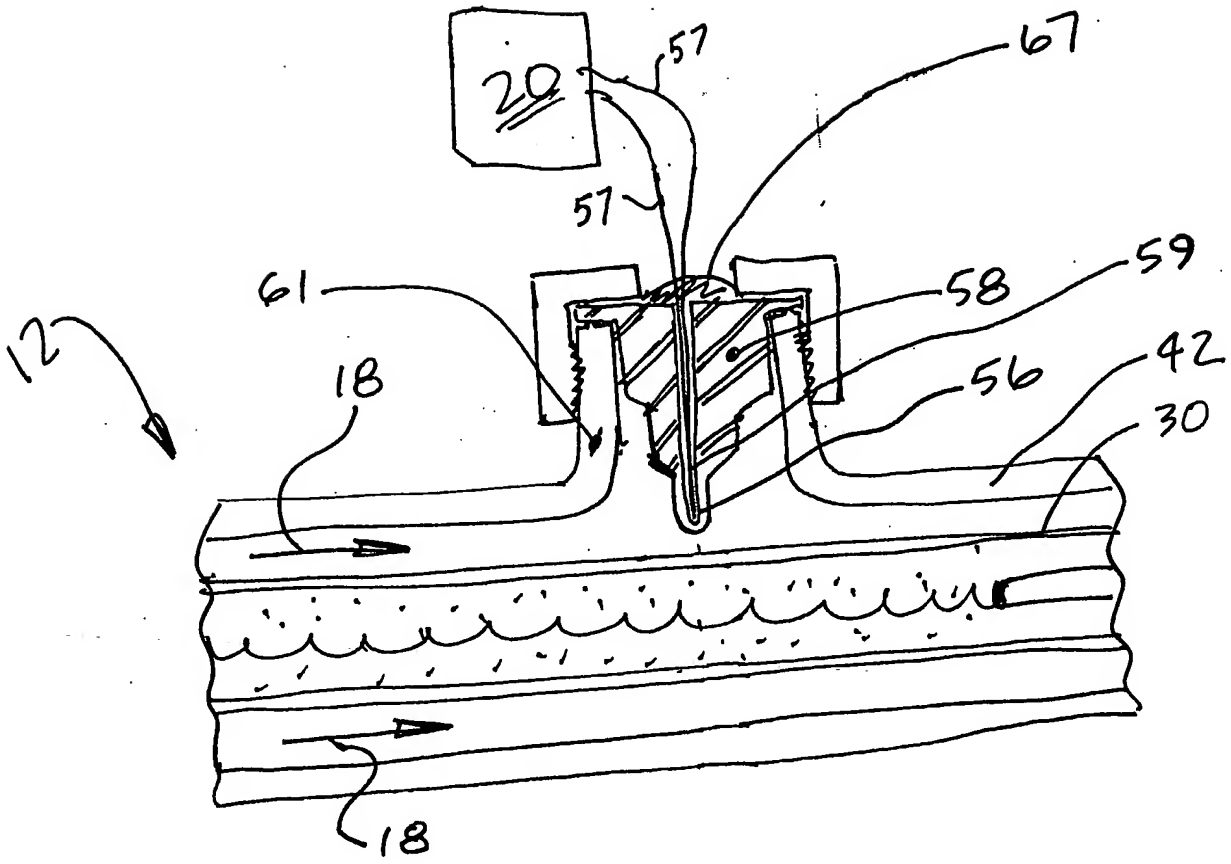

FIG. 7

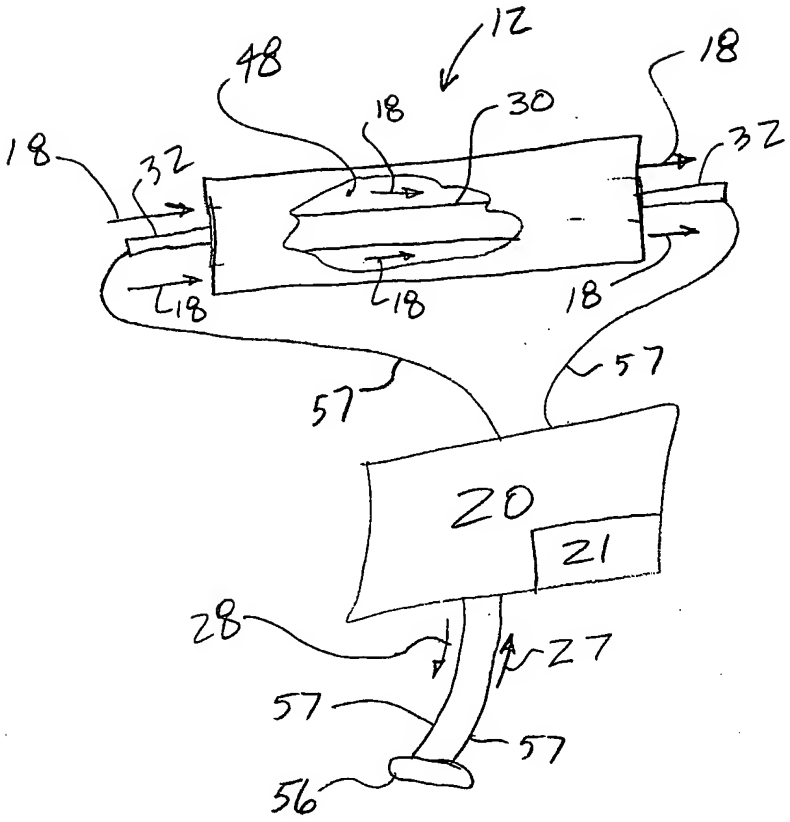

FIG. 8

4005396.042202

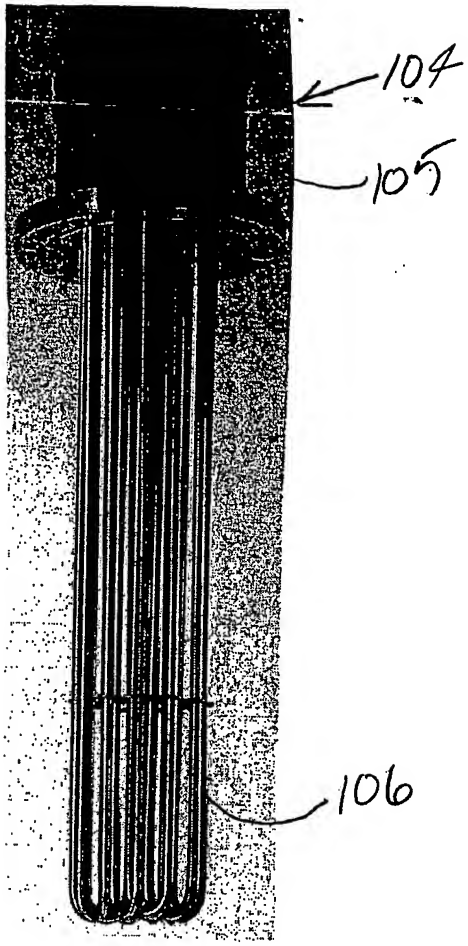

FIG. 9A

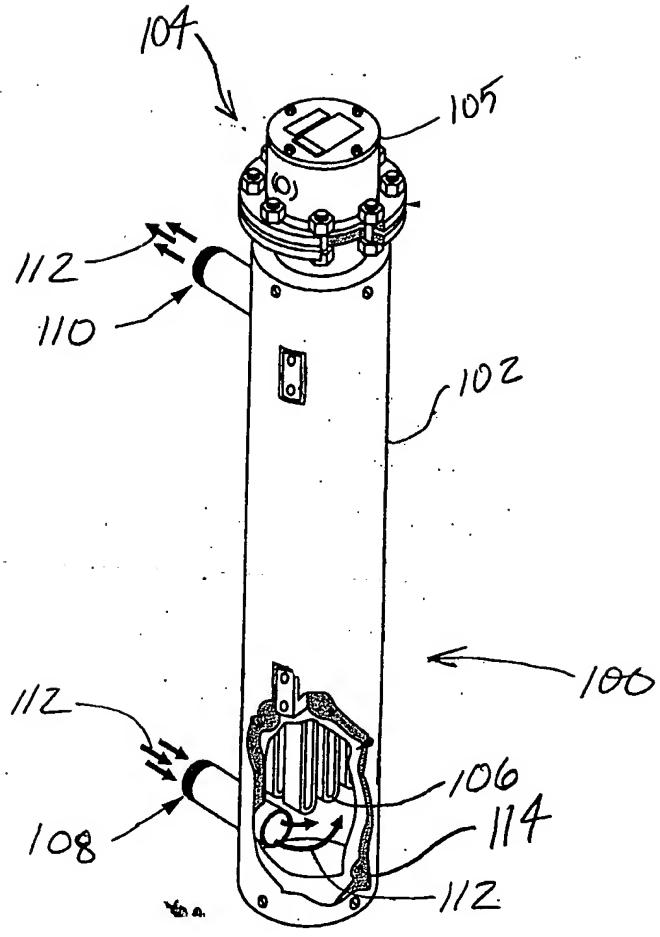

FIG. 9

PRIOR ART

4005960 - 042202

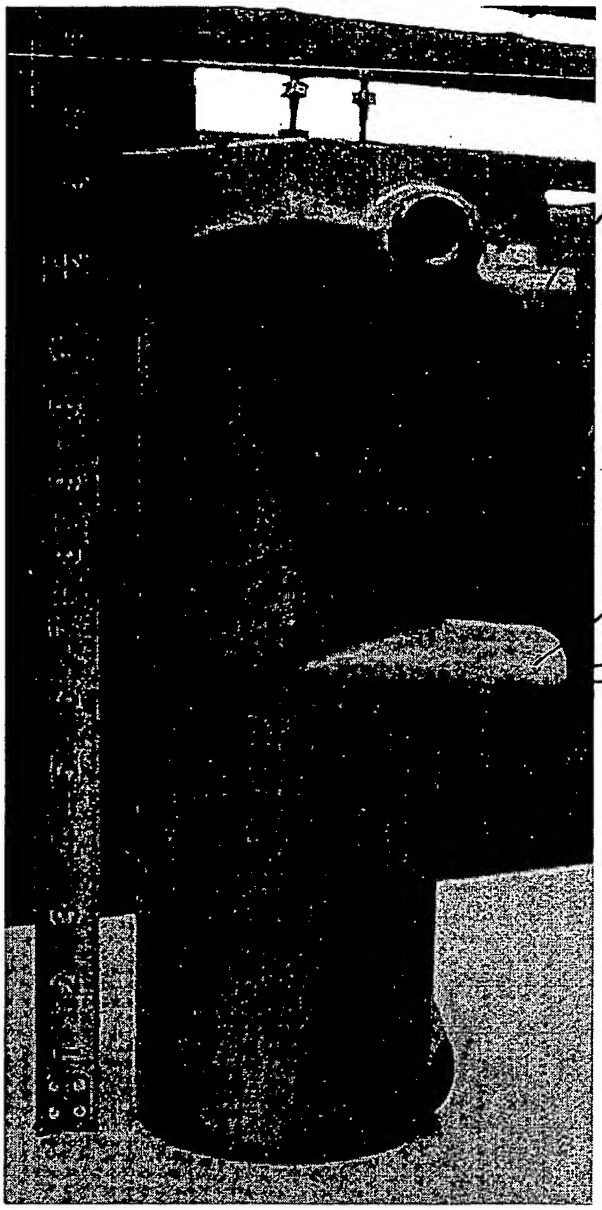

FIG. 10

PRIOR ART

4005396-042202

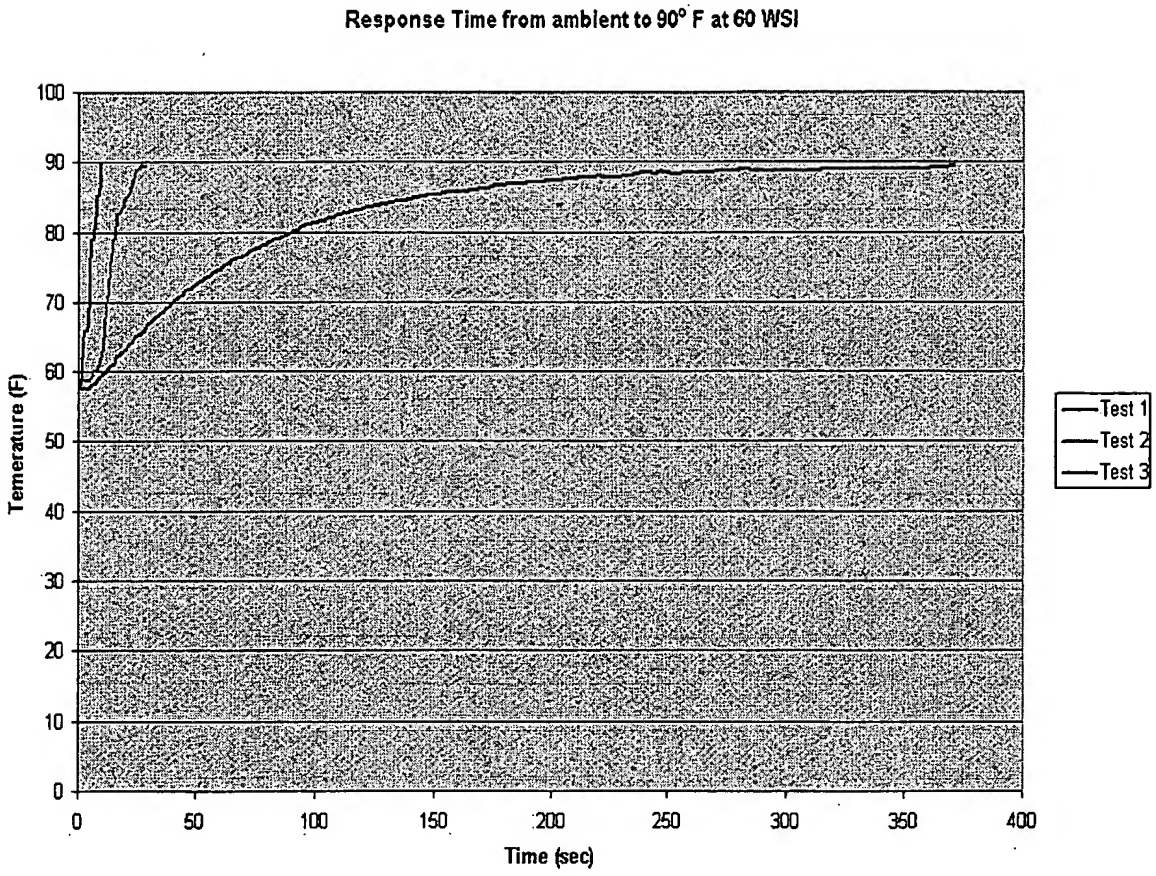

FIG. 11

EP 0 552 968 A1

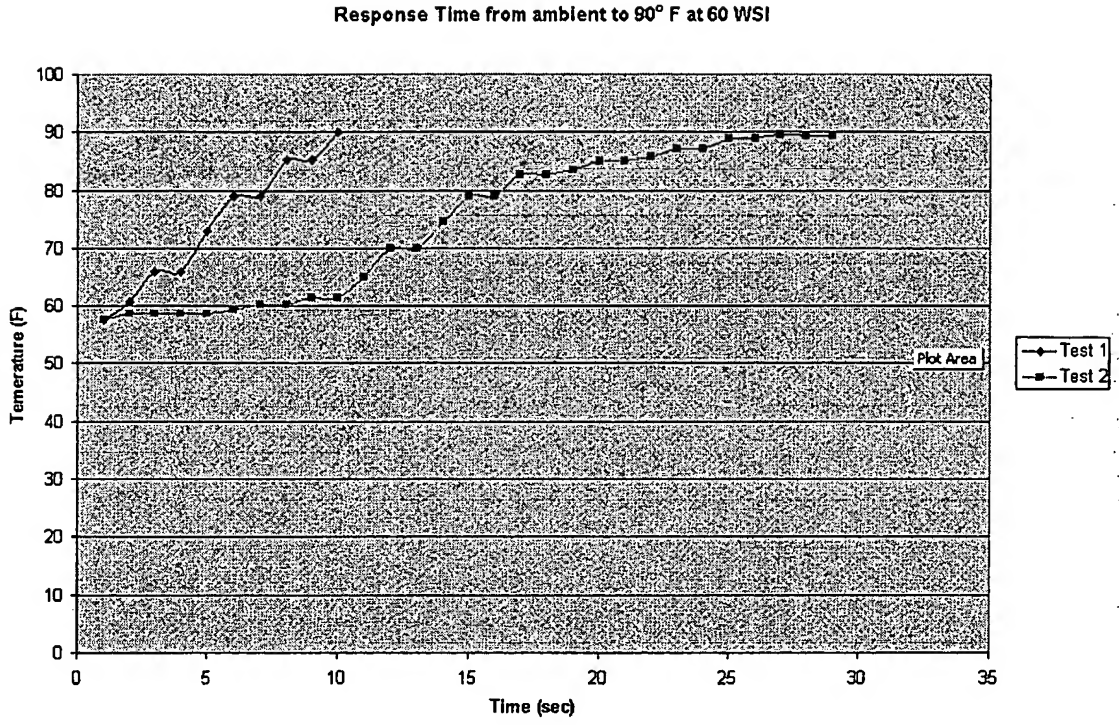

FIG. 12

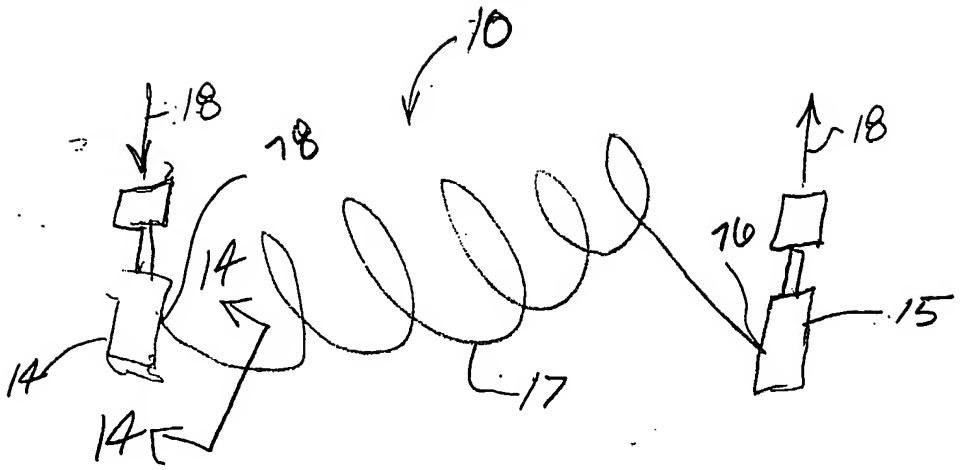

FIG. 13

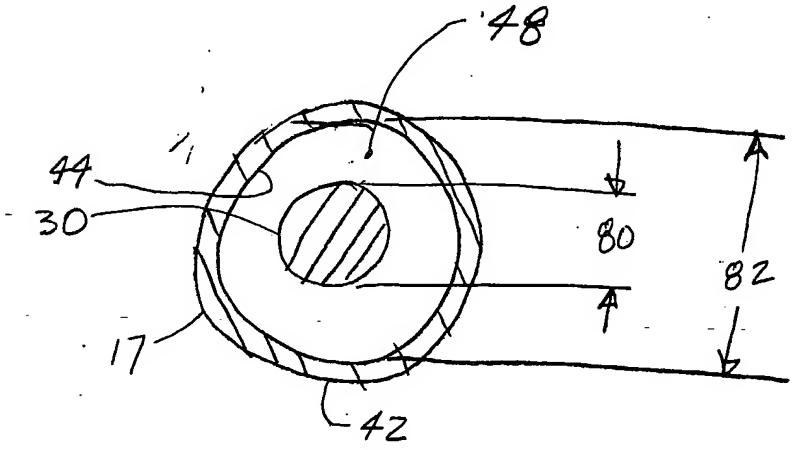

FIG. 14

EP 0 545 969 B1

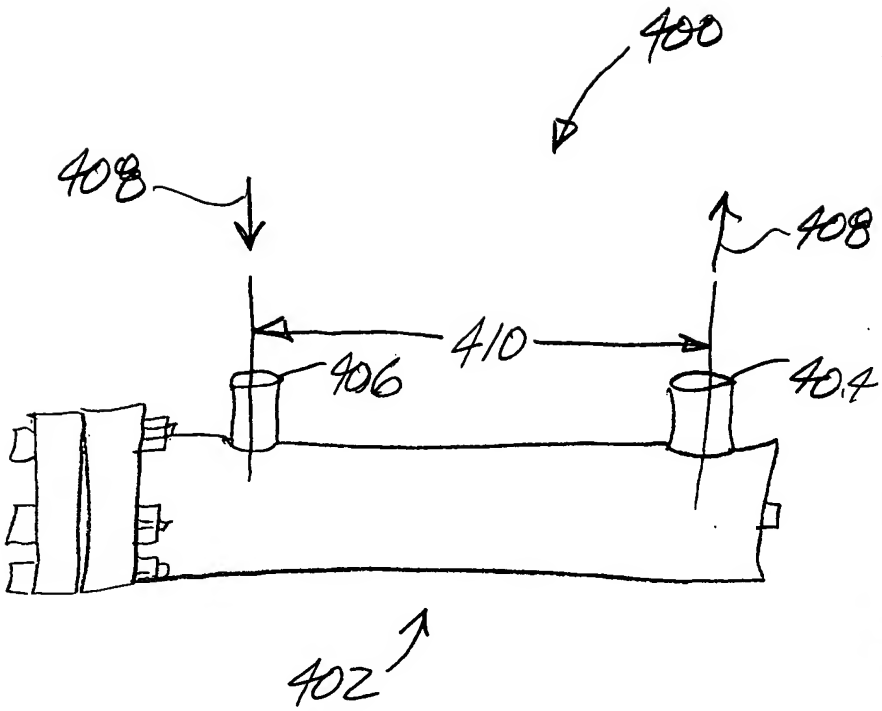

FIG. 15

FIG. 16

PRIOR ART

4053968 - 04/20/05

Thermal Properties of Air @ Various Temperatures & 500 psig

Temperature, F	68	216	500	1000
Specific Heat Capacity, C_p	.241	.243	.250	.264
Thermal Conductivity, K	.0134	.0143	.0157	.0180
Viscosity, Absolute, μ	.0442	.0540	.0715	.0977
Density, ρ	2.62	2.06	1.43	0.94

C_p = BTU/lb-°F
K = BTU/Ft – hr - °F
μ = lb/Ft – hr
ρ = lb/Ft^3

FIG. 17

4005358 - 051202